GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:4424
ANSWERED ON:22.08.2001
SEEDS DEVELOPED BY BHABHA ATOMIC RESEARCH CENTRE
TRILOCHAN KANUNGO

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether the Bhabha Atomic Research Centre has developed some agricultural seeds;

(b) if so, the names thereof and the productivity of each one against other varieties of genetically modified seeds available in the country;

(c) whether these seeds have been used by the farmers; and

(d) if so, the details thereof in terms of areas covered productivity etc.?

Answer

THE MINISTER OF STATE OF THE MINISTRY OF SMALL SCALE INDUSTRIES, AGRO AND RURAL INDUSTRIES, MINISTER OF STATE IN THE DEPARTMENT OF PERSONNEL AND TRAINING, DEPARTMENT OF PENSIONS AND PENSIONERS WELFARE OF THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS AND MINISTER OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE (SHRIMATI VASUNDHARA RAJE)

(a) Yes, Sir.

(b) The details are given in the accompanying table.

(c) Yes, Sir.

(d) Trombay Black Gram variety TAU-1 and Groundnutvariety TAG-24 contribute nearly 50% and 11% respectively to the total breeder seed production of these crops in the country. TAU-1 covers an area of around 500,000 hectares in the State of Maharashtra. It is also spreading to the adjacent areas of Andhra Pradesh and Karnataka.

TABLE REFERRED TO IN REPLY TO LOK SABHA UNSTARRED QUESTION NO.4424 FOR ANSWER ON 22.8 REGARDING SEEDS DEVELOPED BY BHABHA ATOMIC RESEARCH CENTRE BY SHRI TRILOCHAN KANUNGO.

BARC CROP VARIETIES RELEASED AND NOTIFIED FOR CULTIVATION

Crop	Name	Year of Release (Y1)	Maturity(M) Yield(Y) & Yield increase	Area and Sources of seeds
BLACK GRAM	TAU-1	1995	M:70-75 Days Y:800-1000 kg/ha YI:24%	Maharashtra, Karnataka, Maharashtra State Seed Corporation (MSSC), Akola.
	TAU-2	1992	M:70 days Y:900-1000kg/ha YI:18%	Maharashtra, MSSC, Akola.
	TPU-4	1992	M:70-75 days Y:900-1000 kg/ha YI:20%	Maharashtra, Madhya Pradesh, MSSC, Akola.

	TU-94-2	1999	M:70 days Y:900-1000 kg/ha YI: 19-37% BARC, Mumbai	Andhra Pradesh Madhya Pradesh, Tamil Nadu,
GREENGRAM	TAP-7	1983	M:60 days Y:700-800 kg/ha YI:23%	Maharashtra, Karnataka, MSSC, Akola.
	TERM-2	1992	M:(Rabi 90 days) Y:1000-1100 kg/ha	Maharashtra, MSSSC, Akola.
	TERM-1	1995	M:80 days Y:765 kg/ha YI:45% Andhra Pradesh, Karanataka, Kerala, Tamil Nadu, Orissa, BARC, Mumbai.	Maharashtra Gujarat, Madhya Pradesh,
	TARM-18	1995	M:65-70 days Y:1051 kg/ha	Maharashtra, BARC, Mumbai.
PIGEONPEA	TT-6	1983	M:135-140 days	Madhya Pradesh
(Arhar)	(Trombay-Vishaka-1)		Y:1200-1300 kg/ha YI: 15% Pradesh, Karna-taka, Kerala, MSSC, Akola.	Maharashtra, Gujarat, Andhra
	TAT-10	1985	M:110-115 days Y:900-1000 kg/ha	Maharashtra, MSSC, Akola.
GROUNDNUT	TG-1	1973	M:130-135 days Y:2400-2500 kg/ha YI:15-20%	Maharashtra, Gujarat, BARC, Mumbai.
	TG-17	1985	M:115-120 Days Y:1700-2000 kg/ha YI:15-20%	Maharashtra, BARC, Mumbai.
	TG-3	1987	M:110 days Y:2000-2500 kg/ha	Kerala, BARC, Mumbai
	TGS-1	1989	M:110-125 days Y: Kharif 2000 kg/ha YI:23%	Gujarat, Gujarat Agricultural University (GAU) Junagadh
	TAG-24	1991	M: Kharif100-105 days Summer 112-117 days Y: Kharif:1300kg/ha Summer:2500kg/ha YI:Kharif:24% Summer : 50%	Maharashtra W. Bengal MSSC, Akola
	TG-22	1992	M: Kharif:115-120	Bihar,

		days Y: Kharif:1677kg/ha YI:30%	Birsa Agriculture University, (BAU) Ranchi.	
	TKG-19A	1994 Y:Summer:2000-2500 kg/ha YI12-13%	M:120-125 days Konkan Krishi Vidyapeeth (KKV), Dapoli, BARC, Mumbai.	Maharashtra,
	TG-26	1995 Y:(Summer)2500 kg/ha YI:23-39%	M:110-120 days Maharashtra Mahdya Pradesh, BARC, Mumbai	Gujarat,
MUSTARD (Black Seed)	TM-2	1987 Y:1370 kg/ha YI:25%	M:90 days	Assam, BARC, Mumbai
	TM-4 (Yellow Seed)	1987 Y:1470 kg/ha YI:35%	M:95 days	Assam, BARC, Mumbai.
RICE	Hari	1988 Y: 6000 kg/ha	M:135-130 days BARC Mumbai.	Andhra Pradesh
JUTE (Mahadev)	TKG-40	1983 Y: 2800-3100 kg/ha YI:10-13%	M: 125-130 days State Seed devlopment Corporn. Ltd. (APSSDCL), Orissa, BARC, Mumbai.	Andhra Pradesh